



**U S Army Corps
of Engineers**
Huntington District

Public Notice

In reply refer to Public Notice No.

LRH-2005-1435-OLR

Issuance Date:

January 23, 2008

Stream:

UnTrib Olentangy River

Closing Date:

February 22, 2008

Please address all comments and inquiries to:

U.S. Army Corps of Engineers, Huntington District

ATTN: CELRH-OR-F Public Notice No. (*reference above*)

502 Eighth Street

Huntington, West Virginia 25701-2070

Phone: (304) 399-5210

PUBLIC NOTICE: The purpose of this public notice is to inform you of a proposal for work in which you might be interested. It is also to solicit your comments and information to better enable us to make a reasonable decision on factors affecting the public interest. We hope you will participate in this process.

REGULATORY PROGRAM: Since its early history, the U.S. Army Corps of Engineers (Corps) has played an important role in the development of the nation's water resources. Originally, this involved construction of harbor fortifications and coastal defenses. Later duties included the improvement of waterways to provide avenues of commerce. An important part of our mission today is the protection of the nation's waterways through the administration of the Corps Regulatory Program.

SECTION 10: The Corps is directed by Congress under Section 10 of the Rivers and Harbors Act of 1899 (33 USC 403) to regulate all work or structures in or affecting the course, condition or capacity of navigable waters of the United States (U.S.). The intent of this law is to protect the navigable capacity of waters important to interstate commerce.

SECTION 404: The Corps is directed by Congress under Section 404 of the Clean Water Act (33 USC 1344) to regulate the discharge of dredged and fill material into all waters of the United States, including wetlands. The intent of the law is to protect the nation's waters from the indiscriminate discharge of material capable of causing pollution and to restore and maintain their chemical, physical and biological integrity.

TO WHOM IT MAY CONCERN: The following application has been submitted for a Department of the Army Permit under the provisions of Section 404 of the Clean Water Act. This notice serves as the Corps of Engineers' request to the Ohio Environmental Protection Agency to act on Section 401 Water Quality Certification for the following application.

APPLICANT: Delaware County Engineer's Office
50 Channing Street
Delaware, Ohio 43015

LOCATION: The proposed project is located within five unnamed tributaries of the Olentangy River in Delaware County, Ohio.

DESCRIPTION OF PROPOSED WORK: The applicant is requesting authorization for the placement of fill material into five unnamed tributaries of the Olentangy River in order to construct a roadway extension project referred to as the Sawmill Parkway Extension. Currently, Sawmill Parkway Road terminates south of Hyatts Road. The proposed project is a roadway segment that would extend Sawmill Parkway Road from its current terminus 5.7 miles north to South Section Line Road.

The proposed roadway segment would include five new culverted crossings within five (5) unnamed tributaries of the Olentangy River. All five culverts would be 4-sided concrete box culverts. The proposed project also includes the removal of an existing culvert beneath Bean-Oller Road. Details on the proposed impacts are described in Table 1 below. Implementation of the proposal would not impact any wetland areas.

Table 1 - Jurisdictional Stream Impact Summary

	Description (length x width x height)	Location	Length of Stream Impact (lf)
Impact Area #1	Remove Existing Culvert, Install a new 66'x8'x5' Box Culvert and associated Rock Channel Protection (RCP)	East of new Bean-Oller Road Intersection (Station 330+95.50)	81
Impact Area #2	New 35'x14'x5' Box Culvert and associated RCP	South of Ford Road (Station 19+33.96)	57
Impact Area #3	New 135'x14'x5' Box Culvert and associated RCP	South of Bunty Station Road (Station 601+82)	158
Impact Area #4	New 146' x14'x5' Box Culvert and associated RCP	North of Bunty Station Road (Station 619+24)	169
Impact Area #5	New 141' x14'x5' Box Culvert and associated RCP	East of US Route 42 (Station 701+34)	164
Total Impacts			629 lf

Roundabouts would be constructed where the proposed roadway alignment would cross Hyatts Road, Clark-Shaw Road, Bean-Oller Road, Ford Road and Bunty Station. At US 42, a standard at-grade intersection with a new traffic signal would be constructed. Plans of the proposal are attached to this notice.

WATER QUALITY CERTIFICATION: A Section 401 Water Quality Certification is required for this project. It is the applicant's responsibility to obtain certification from the Ohio Environmental Protection Agency.

HISTORIC & CULTURAL RESOURCES: The National Register of Historic Places has been consulted and it has been determined there are no properties currently listed on the register that are in the area affected by the project. The applicant has conducted a Phase I Archaeological Survey of the proposed alignment and a 200-ft wide area centered on the selected alignment. The

findings of this investigation are included in a report entitled "Report of the Phase I Cultural Resources Survey for the Proposed Sawmill Parkway Extension in Liberty and Delaware County, Ohio". Surface collection, subsurface testing, and inspection of this area resulted in the identification of forty-six archaeological sites and two architectural properties. The applicant submitted a copy of this report directly to the Ohio Historic Preservation Office (OHPO) for review. Through letter dated July 25, 2006, the OHPO concurred sites identified in the report did not meet the criteria for listing on the National Register of Historic Places and indicated no additional archaeological investigations would be necessary. OHPO requested information on architectural properties outside the construction corridor in order to determine if the proposed project will indirectly affect historic properties. In response to this request, the applicant prepared a Phase I History/Architecture Survey for the project corridor. The applicant submitted a copy of this report directly to OHPO. To date, the applicant has not received any information from OHPO regarding their review of this survey.

Based on the results of the cultural resources survey and the history/architecture survey prepared by the applicant, the Corps has determined the proposed project will have no effect on historic properties. A copy of this public notice will be furnished to the State Historic Preservation Office for their review. Comments concerning archaeological sensitivity of the project area should be based on collected data.

THREATENED & ENDANGERED SPECIES: This project is located within the known or historic range of the Indiana bat (endangered), clubshell mussel (endangered), and rayed bean mussel (proposed candidate species). Prior to their submission of an application to this office, the applicant contacted the United States Fish and Wildlife Service (USFWS) for recommendations regarding threatened and endangered species within the project area.

Through letter dated March 11, 2004, to avoid any adverse effect to the Indiana bat, the USFWS recommended that suitable roost trees for this species only be cleared between September 15 and April 15. Provided these recommendations are implemented, this office has determined the proposed project may effect but would not adversely affect the Indiana bat. Given the location of the proposed impact areas, this office has determined the proposed project will have no effect on the clubshell or rayed bean mussel. In their March 11, 2004 letter, the USFWS indicated no impacts to these mussel species are anticipated.

This public notice serves as a request to the U.S. Fish and Wildlife Service for any additional information they may have on whether any listed or proposed to be listed endangered or threatened species may be present in the area which would be affected by the activity, pursuant to Section 7(c) of the Endangered Species Act of 1972 (as amended).

PUBLIC INTEREST: Any person who has an interest, which may be adversely affected by the issuance of a permit, may request a public hearing. The request must be submitted in writing to the District Engineer on or before the expiration date of this notice and must clearly set forth the

interest which may be adversely affected and the manner in which the interest may be adversely affected by the activity.

Interested parties are invited to state any objections they may have to the proposed work. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. In addition, the evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, Environmental Protection Agency, under the authority of Section 404(b) of the Clean Water Act. Written statements on these factors received in this office on or before the expiration date of this public notice will become a part of the record and will be considered in the final determination. A permit will be granted unless its issuance is found to be contrary to the public interest.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal.

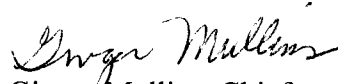
To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

CLOSE OF COMMENT PERIOD: All comments pertaining to this Public Notice must reach this office on or before the close of the comment period listed on page one of this Public Notice. Persons wishing to submit comments, objections or requests for public hearings concerning the Corps of Engineers permit should write:

U.S. Army Corps of Engineers
ATTN: CELRH-OR-F Public Notice No. LRH-2005-1435
502 8th Street
Huntington, West Virginia 25701-2070

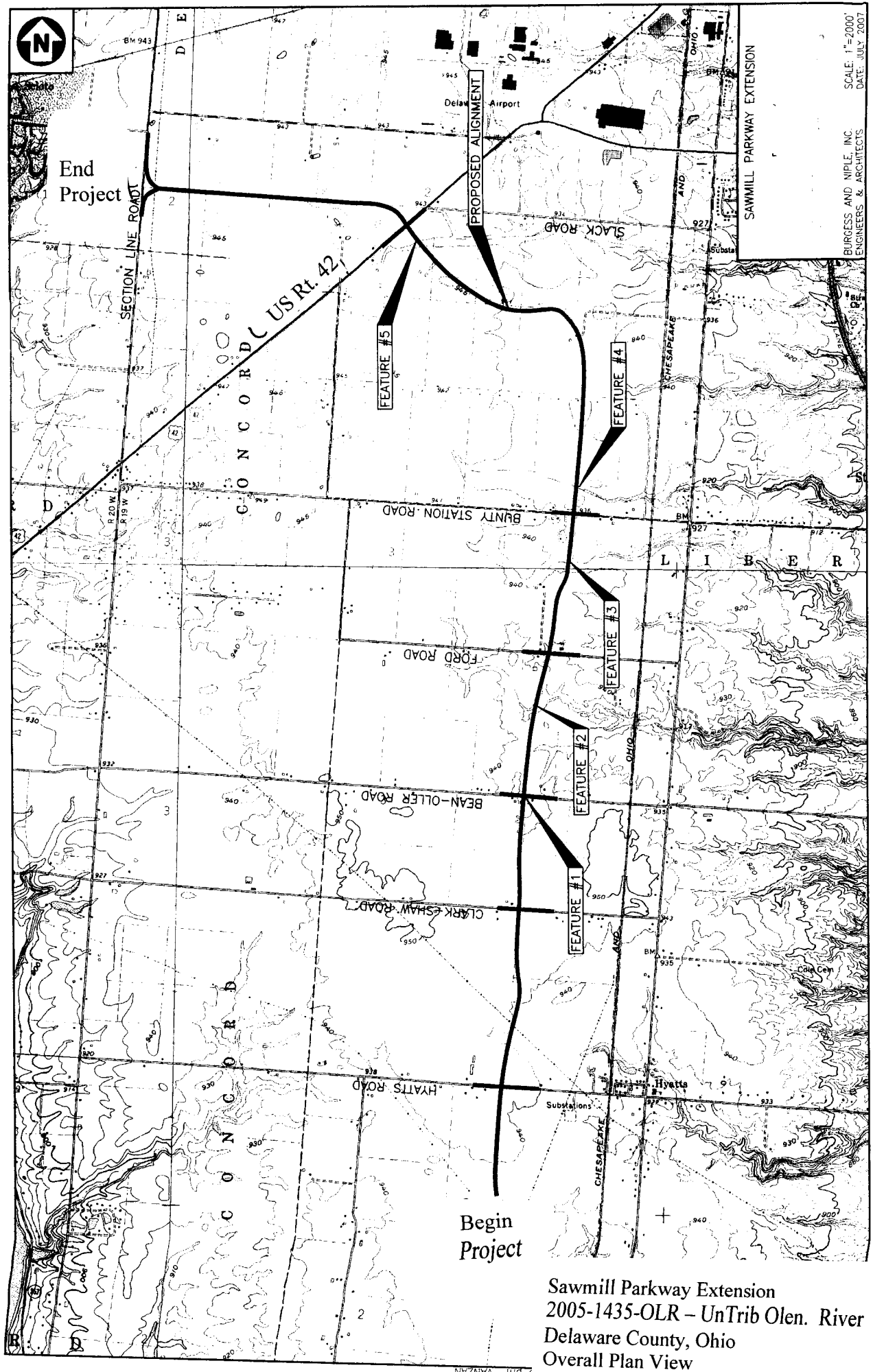
Please note, the names and addresses of those who submit comments in response to this public notice become part of our administrative record and, as such, are available to the public under provisions of the Freedom of Information Act.

Thank you for your interest in our nation's water resources. If you have any questions concerning this public notice, please call Ms. Susan A. Fields of my staff at 304-399-5210.


Ginger Mullins, Chief
Regulatory Branch

(O)

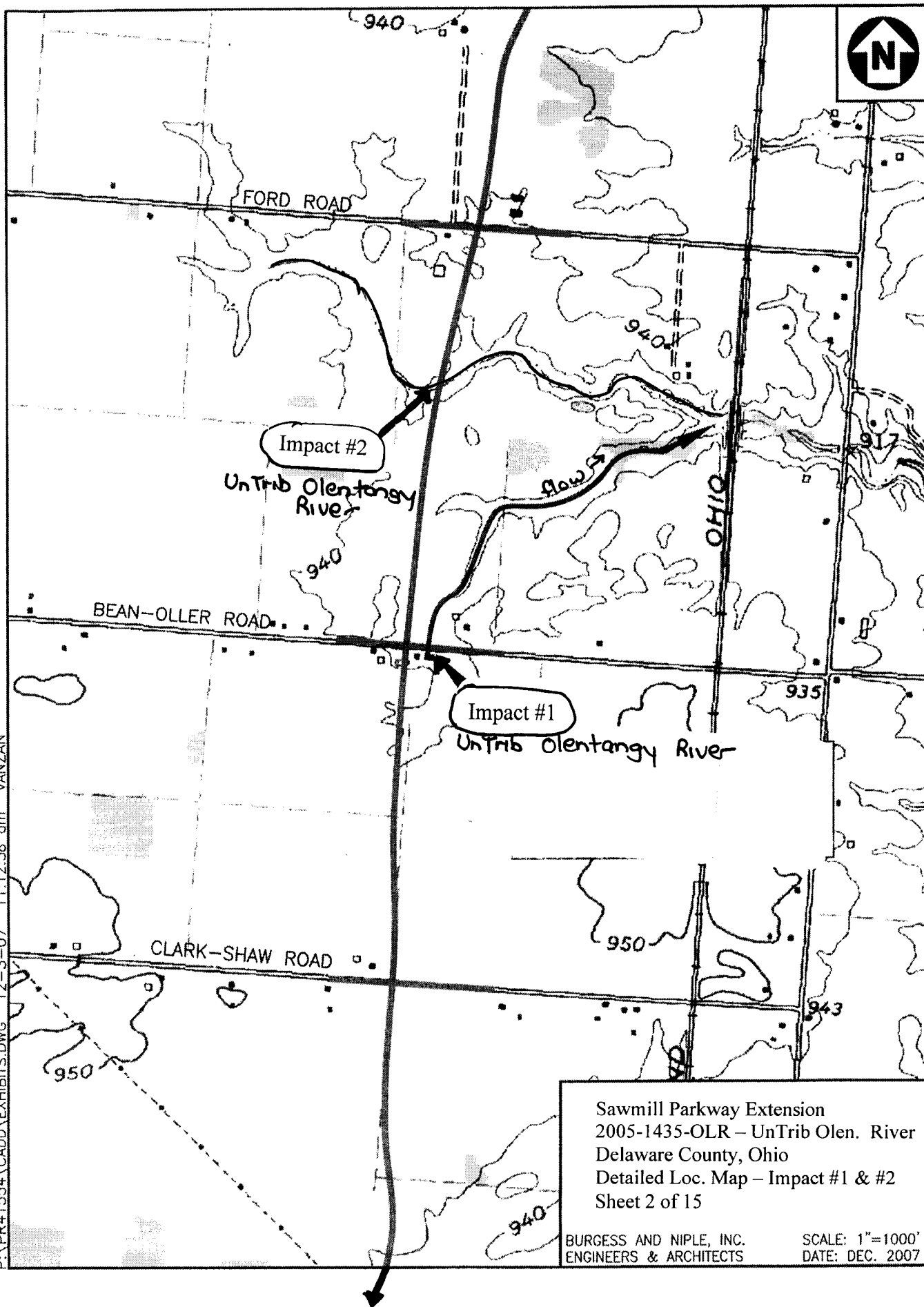
Ostrander, Delaware, Shawnee
Hills & Powell USGS topographic
maps



Sawmill Parkway Extension
2005-1435-OLR – UnTrib Olen. River
Delaware County, Ohio
Overall Plan View
Sheet 1 of 15

SCALE: 1"=2000'
BURGESS AND NIPLE, INC.
ENGINEERS & ARCHITECTS
DATE: JULY 2007

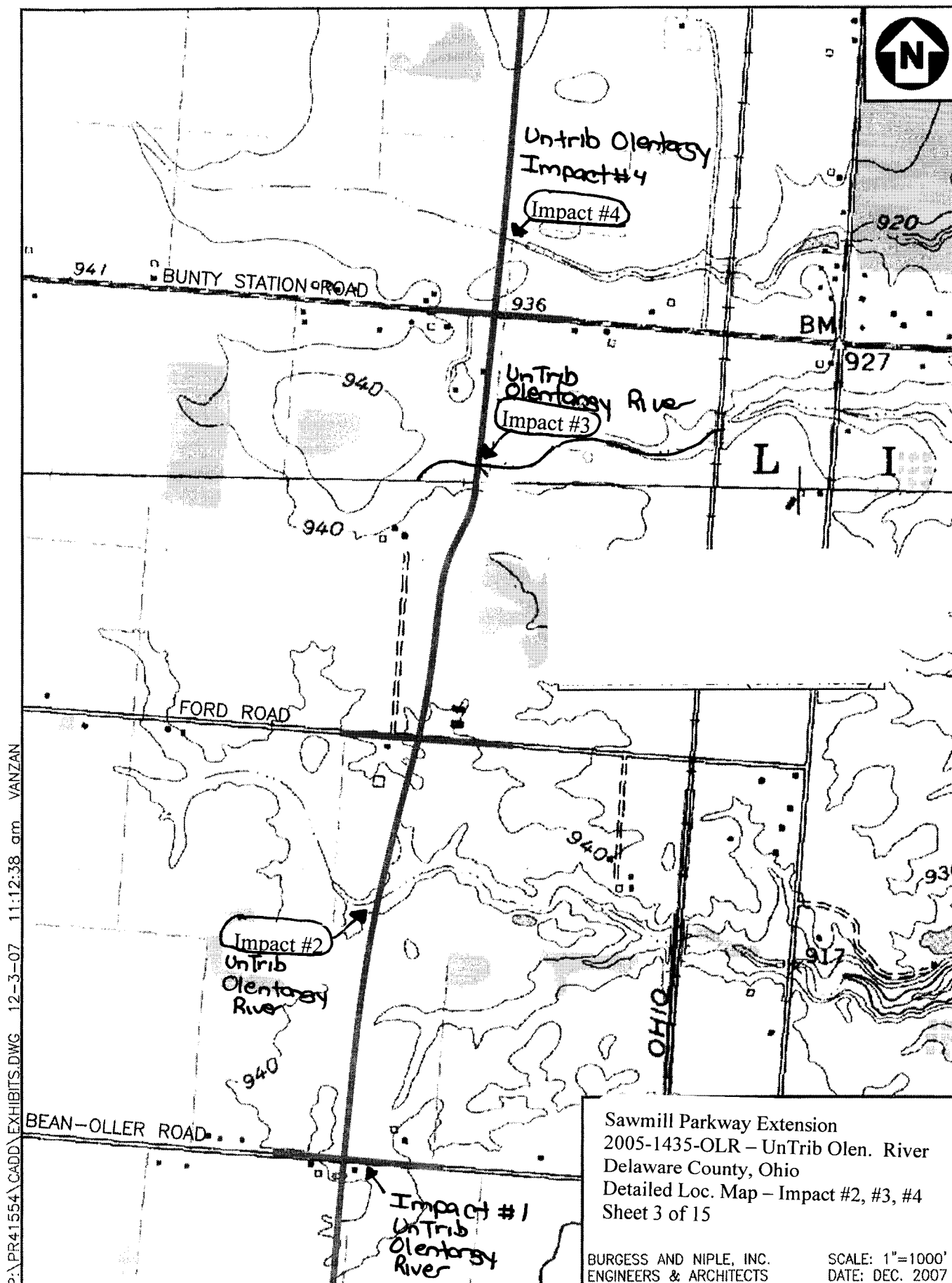
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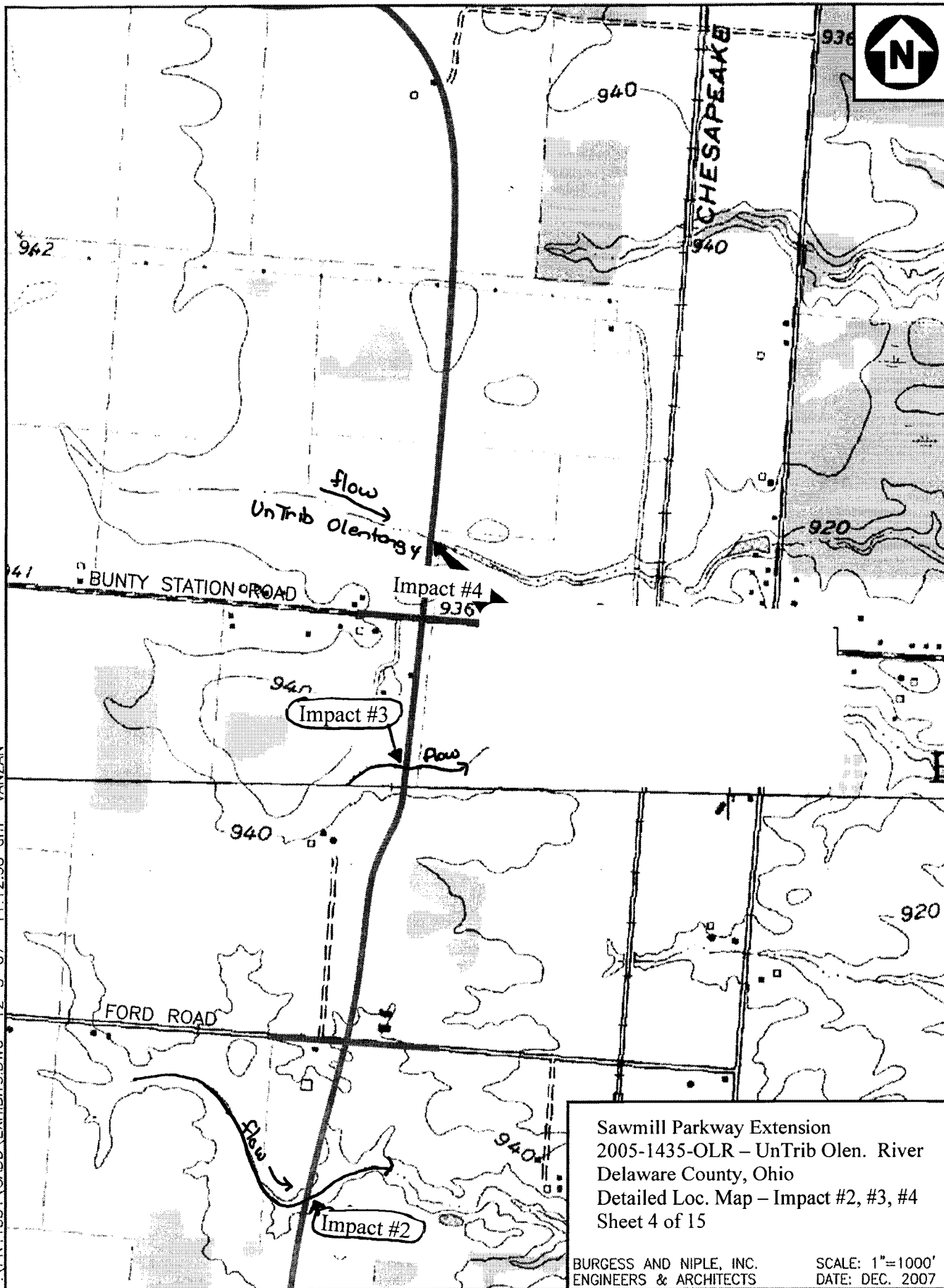
Sawmill Parkway Extension
2005-1435-OLR - UnTrib Olen. River
Delaware County, Ohio
Detailed Loc. Map - Impact #1 & #2
Sheet 2 of 15

BURGESS AND NIPLE, INC.
ENGINEERS & ARCHITECTS

SCALE: 1"=1000'
DATE: DEC. 2007



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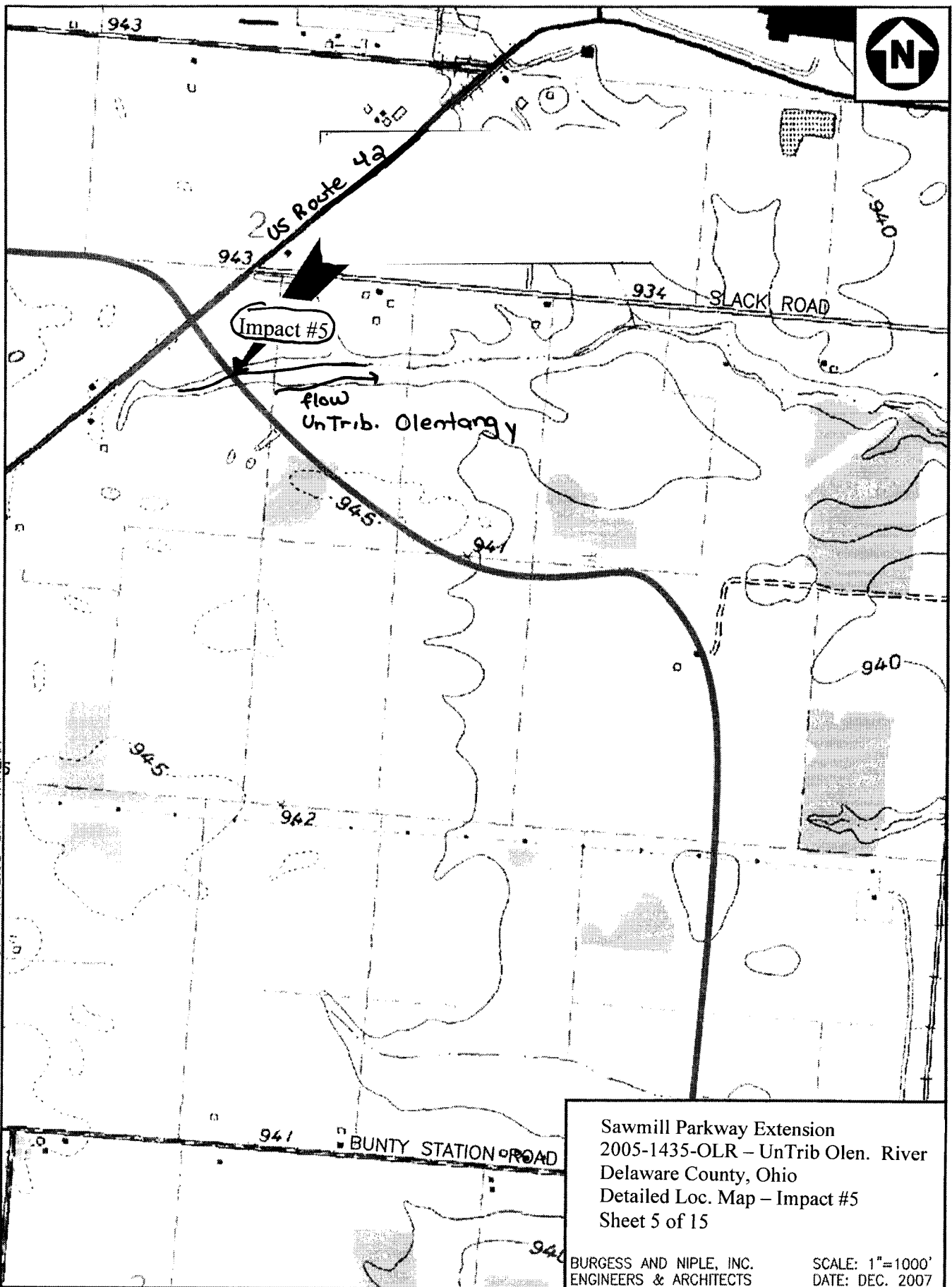


Sawmill Parkway Extension
2005-1435-OLR - UnTrib Olen. River
Delaware County, Ohio
Detailed Loc. Map - Impact #2, #3, #4
Sheet 4 of 15

BURGESS AND NIPLE, INC.
ENGINEERS & ARCHITECTS

SCALE: 1"=1000'
DATE: DEC. 2007

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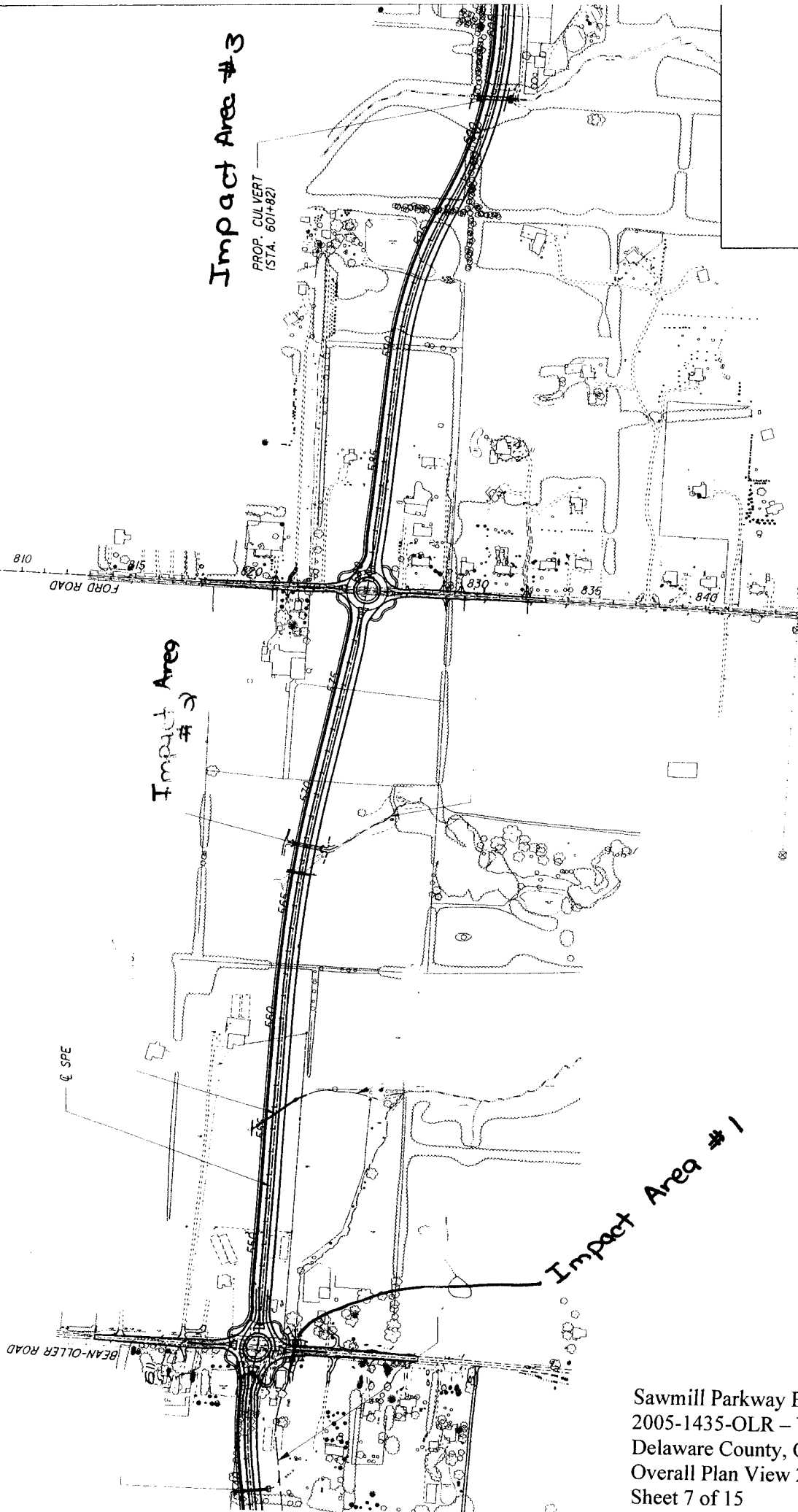
Sawmill Parkway Extension
2005-1435-OLR - UnTrib Olen. River
Delaware County, Ohio
Detailed Loc. Map - Impact #5
Sheet 5 of 15

BURGESS AND NIPLE, INC.
ENGINEERS & ARCHITECTS

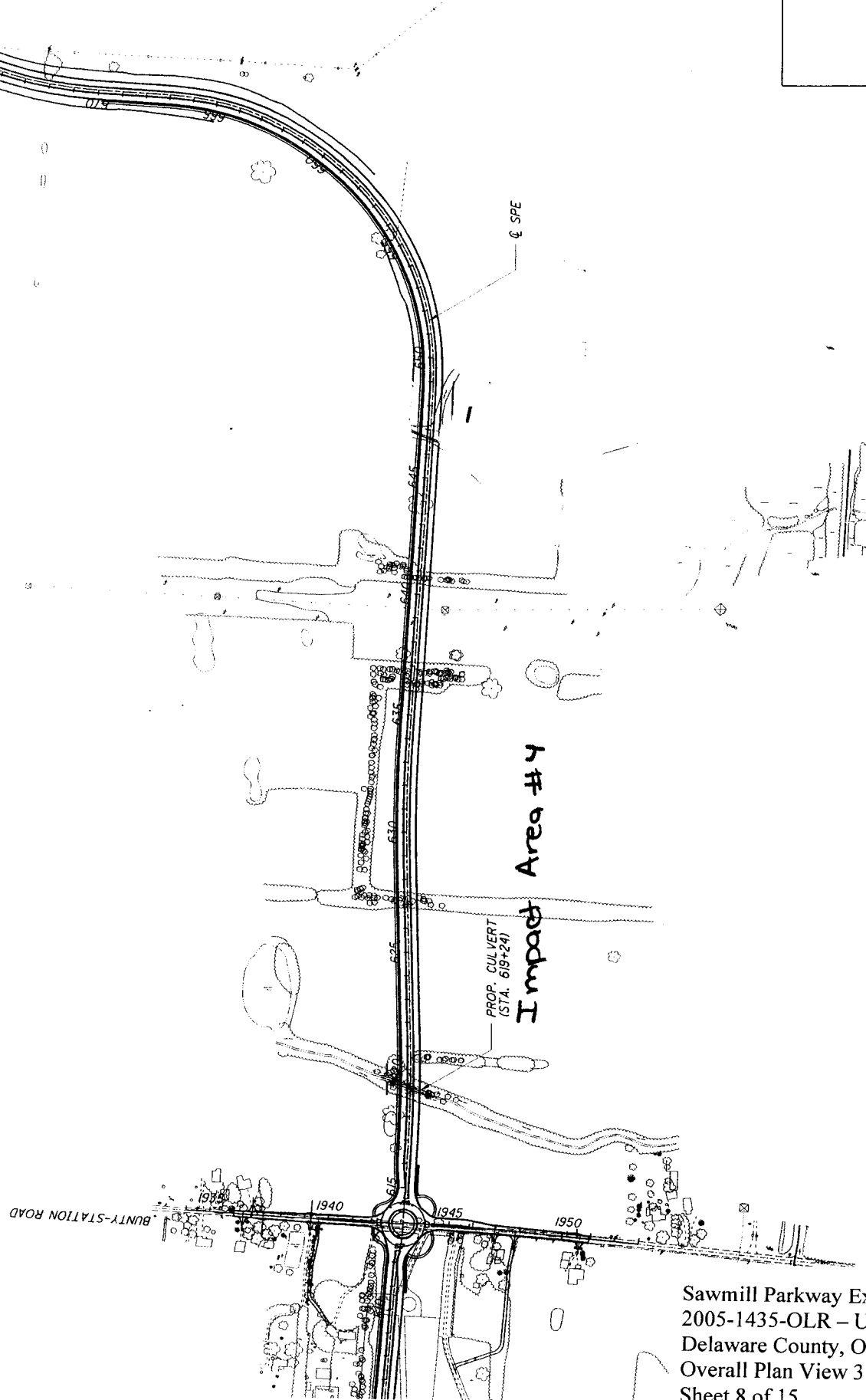
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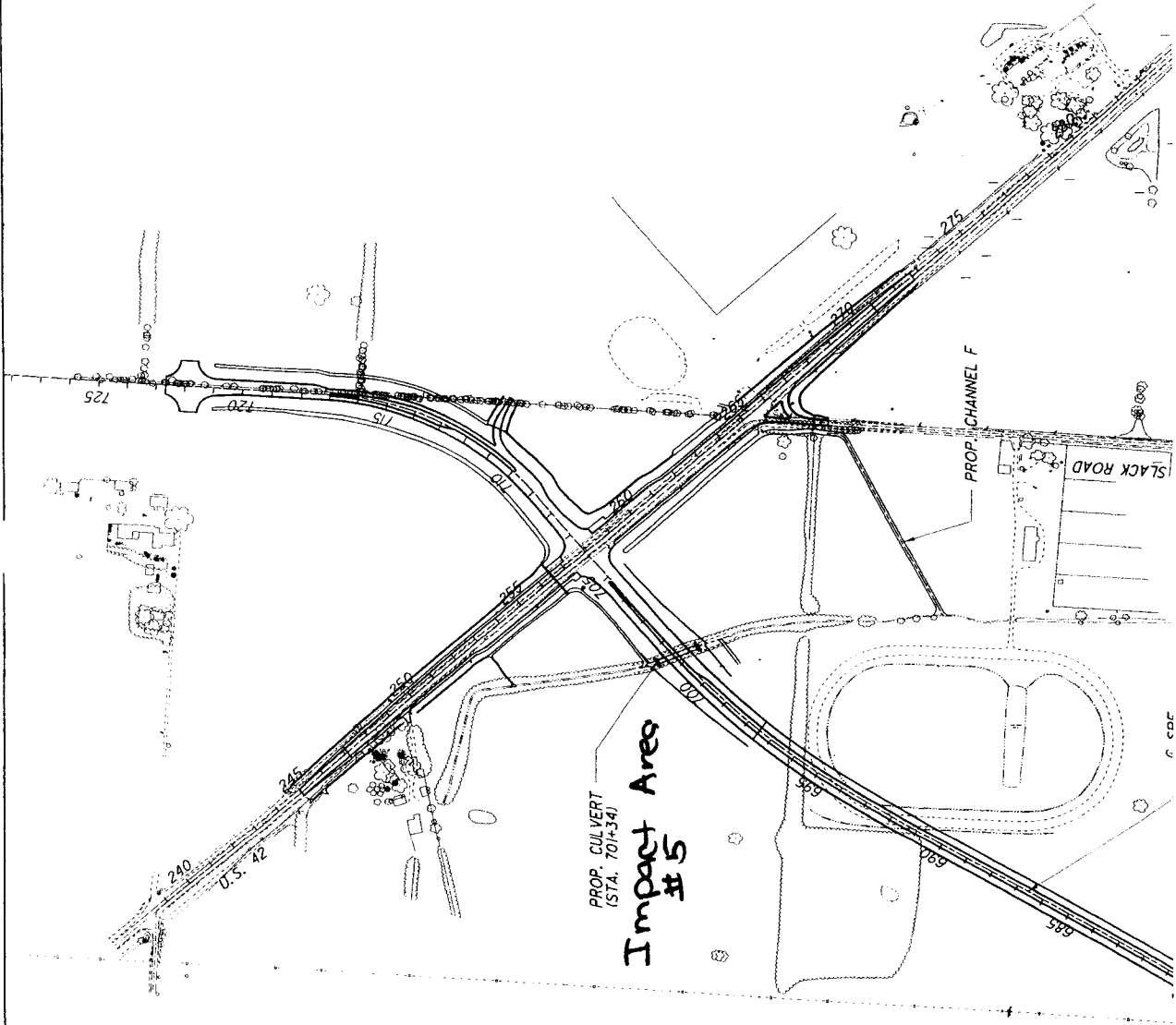
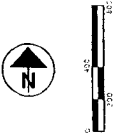
Sawmill Parkway Extension
2005-1435-OLR – UnTrib Olen. River
Delaware County, Ohio
Overall Plan View 1 of 5
Sheet 6 of 15

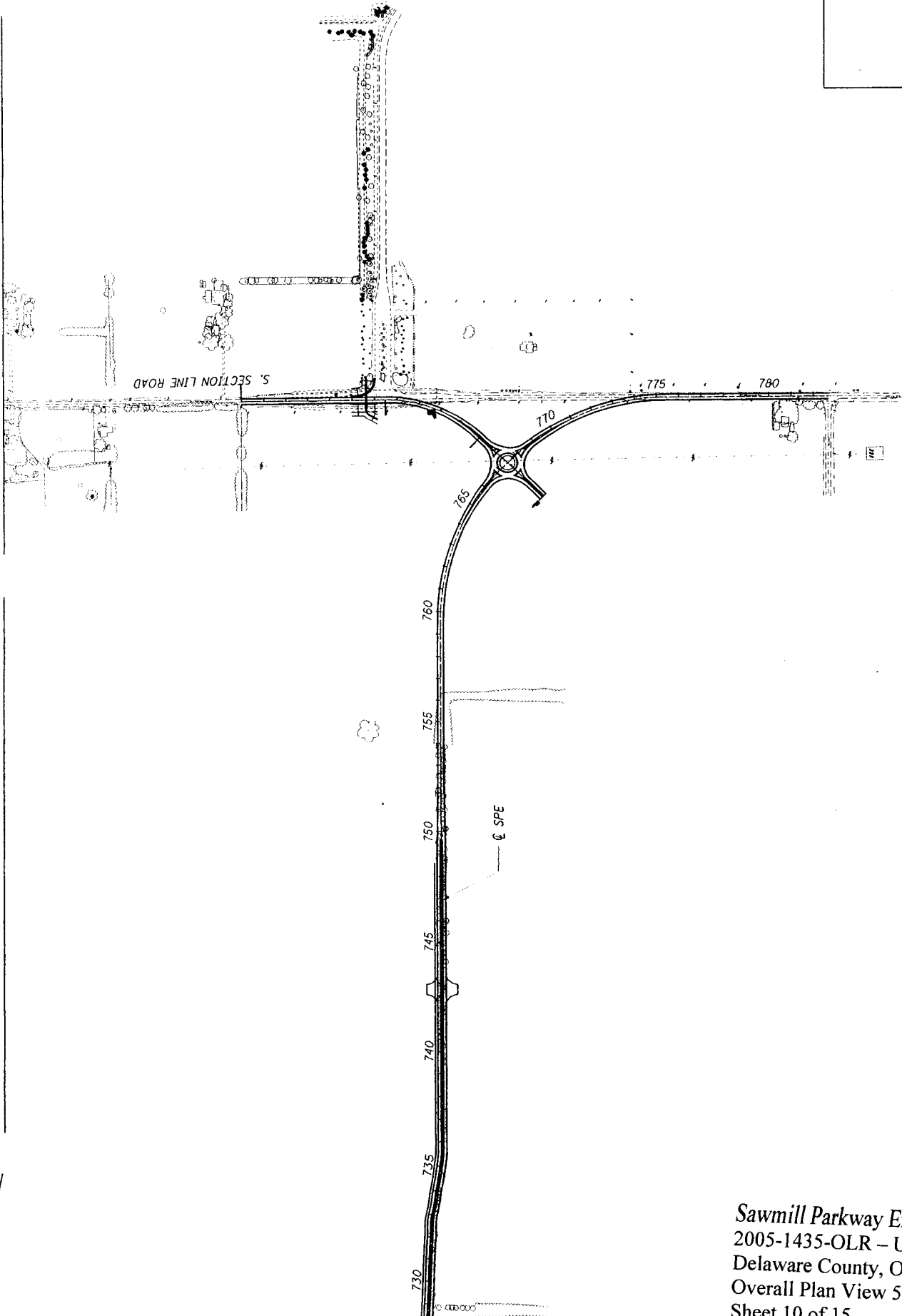
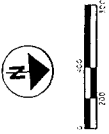


Sawmill Parkway Extension
2005-1435-OLR – UnTrib Olen. River
Delaware County, Ohio
Overall Plan View 2 of 5
Sheet 7 of 15



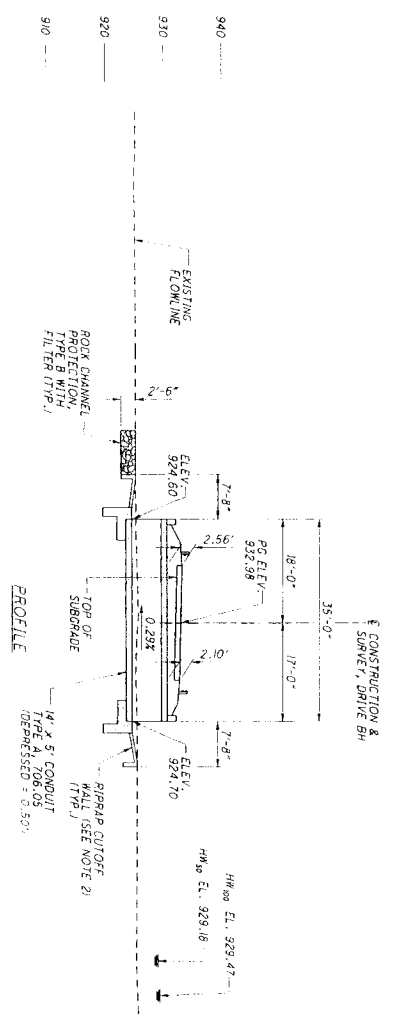
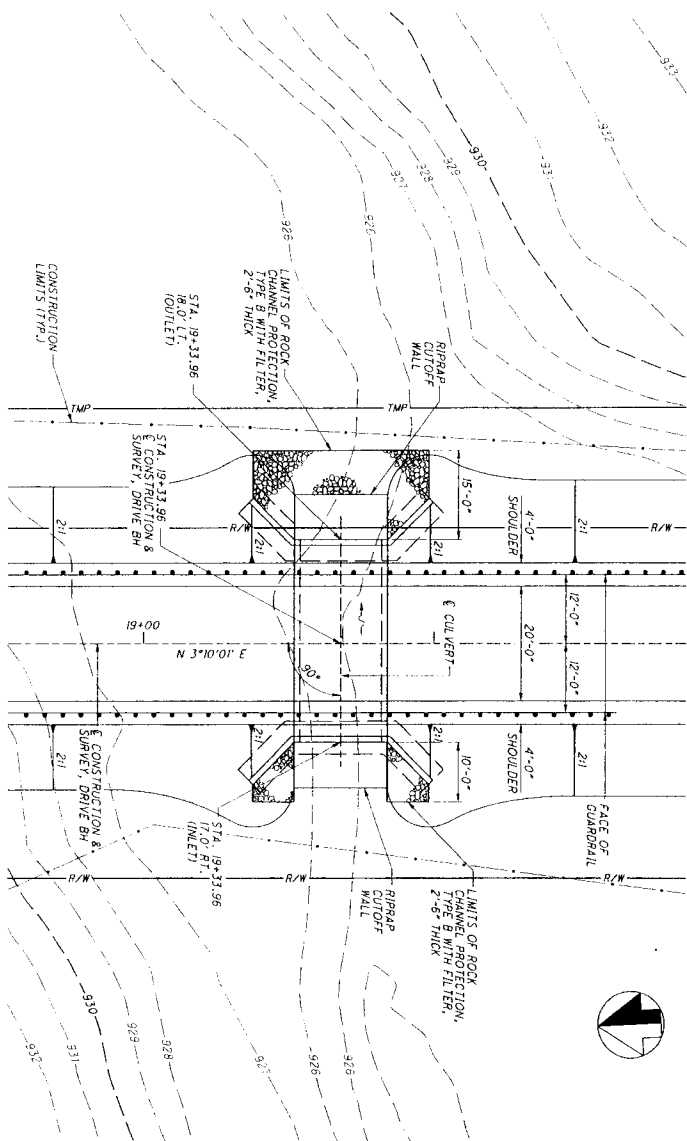
Sawmill Parkway Extension
2005-1435-OLR – UnTrib Olen. River
Delaware County, Ohio
Overall Plan View 3 of 5
Sheet 8 of 15





Sawmill Parkway Extension
2005-1435-OLR – UnTrib Olen. River
Delaware County, Ohio
Overall Plan View 5 of 5
Sheet 10 of 15

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- NOTES:**
1. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPE SHALL CONFORM TO PL CROSS SECTIONS.
 2. SEE STD. DMC. DW-11 FOR RIPRAP CUT WALL DETAILS.
 3. FIRST STRUCTURE DOWNSTREAM IS AN APPROXIMATELY 1250 FEET WITH AN INVERT ELEVATION OF 916.50+.

LEGEND:

- FOUNDATION INVESTIGATION
- BORING LOCATION
- BH = BLUE/BLACK
- PG = PROFILE GRADE
- RT = RIGHT-OF-WAY
- TMP = TEMPORARY EASEMENT

PERMIT QUANTITIES
ALL QUANTITIES GIVEN ARE BETWEEN THE BOTTOM OF STREAM.
PERMANENT FILL REMOVED:
VOLUME = 80 CUBIC YARDS
PERMANENT FILL INSTALLED:
VOLUME = 2 CUBIC YARDS
PERMANENT CONCRETE INSTALLED:
AREA = 0.00 ACRES
VOLUME = 28 CUBIC YARDS
PERMANENT ROCK CHANNEL PROTECTION
INSTALLED: 0.02 ACRES
VOLUME = 7 CUBIC YARDS

PROPOSED STRUCTURE
TYPE: 14'-0" x 5'-0" CONCRETE BOX
SKEN: NONE
ALIGNMENT: TANGENT
LOADING: HS20 AND THE ALTERNATE MILITARY LOADING

HYDRAULIC DESIGN DATA
DRAINAGE AREA = 0.69 SQ. MI.
$C_{sp} = 211$ CFS
$C_{100} = 244$ CFS
$HM_{50} = 929.47$
$HM_{100} = 929.47$
$V_{50} = 4.59$ FT/S
$V_{100} = 5.02$ FT/S

SOIL BORING INFORMATION
BORING NO. STATION DEPTH
(TO BE PROVIDED)

NO.	DATE	BY	CHKD.	APP'D.
1	04/11/05	AAA	AAA	AAA
2	04/11/05	AAA	AAA	AAA
3	04/11/05	AAA	AAA	AAA
4	04/11/05	AAA	AAA	AAA
5	04/11/05	AAA	AAA	AAA
6	04/11/05	AAA	AAA	AAA
7	04/11/05	AAA	AAA	AAA
8	04/11/05	AAA	AAA	AAA
9	04/11/05	AAA	AAA	AAA
10	04/11/05	AAA	AAA	AAA

STA. 601+82	SAMMILL PARKWAY EXTENSION	CULVERT PLAN & PROFILE
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NOTES:

- EARTHWORK LIMITS SHOWN ARE FOR THE EXISTING AND PROPOSED SHALLOWS TO PLAN OF SECTIONS.
- SEE STD. DING. DM-1 FOR R. CUTOFF WALL DETAILS.

LEGEND:

- FOUNDATION INVESTIGATION BORING LOCATION
- LT. = LEFT
- M.E. = MATCH EXISTING
- RCP = REINFORCED CONCRETE PIPE
- R.F. = RIGHT FORWARD
- R.T. = RIGHT
- SPE = SAMMILL PARKWAY EXTENSION

PERMIT QUANTITIES

ALL QUANTITIES GIVEN ARE BETWEEN THE ORDINARY HIGH WATER MARK AND BELOW THE BOTTOM OF STREAM.

PERMANENT FILL REMOVED:
 AREA = 0.05 ACRES
 VOLUME = 250 CUBIC YARDS

PERMANENT FILL INSTALLED:
 AREA = 0.05 ACRES
 VOLUME = 26 CUBIC YARDS

PERMANENT CONCRETE INSTALLED:
 AREA = 0.05 ACRES
 VOLUME = 54 CUBIC YARDS

PERMANENT ROCK CHANNEL PROTECTION:
 INSTALLED 1003 ACRES
 VOLUME = 14 CUBIC YARDS

PROPOSED STRUCTURE

TYPE: 14'-0" x 5'-0" CONCRETE BOX CULVERT

SKEN: 11° RIGHT FORWARD

ALIGNMENT: LEFT CURVE

LOADING: HS20 AND THE ALTERNATE MILITARY LOADING

HYDRAULIC DESIGN DATA

DRAINAGE AREA = 0.65 SQ. MI.

$Q_{50} = 194$ cfs $Q_{100} = 233$ cfs

$HW_{50} = 931.91$ $HW_{100} = 932.12$

$V_{50} = 5.26$ ft/s $V_{100} = 5.73$ ft/s

CURVE DATA

P.I. STA. 601+02.97

$\Delta = 28^\circ 25' 54"$ (LT)

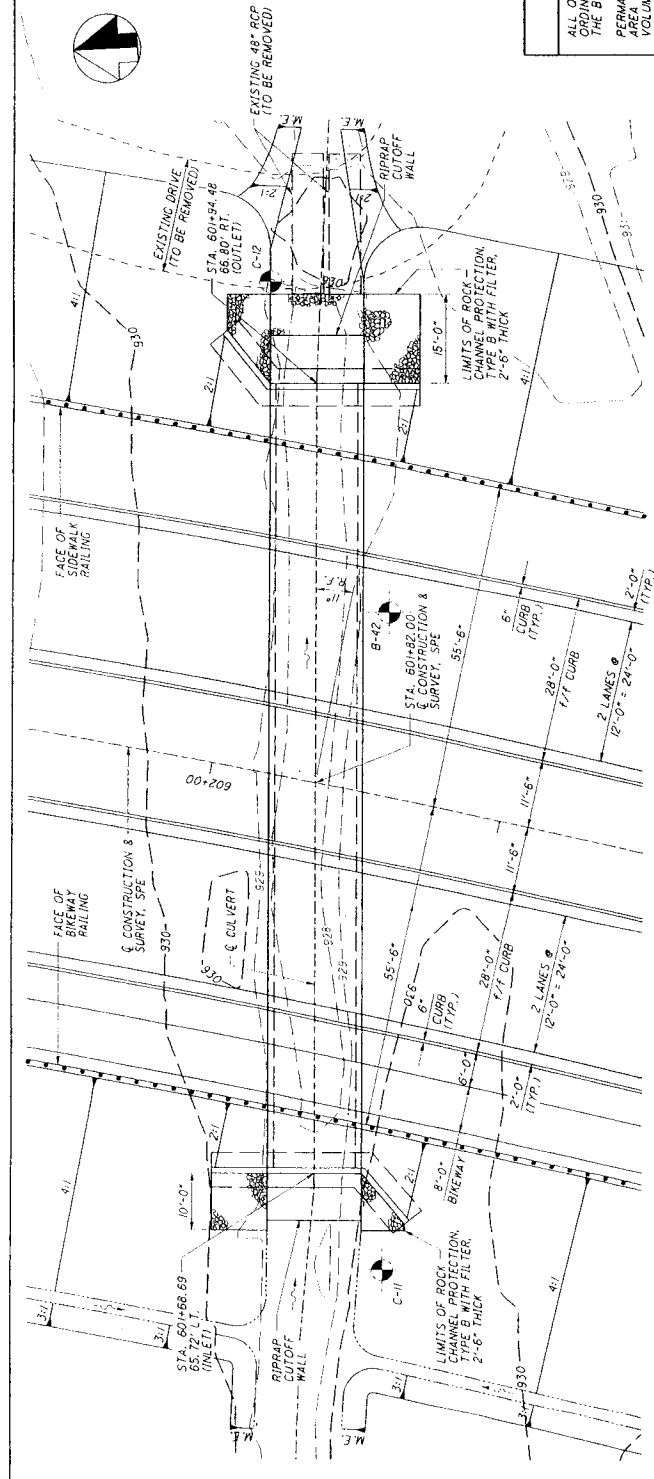
$DC = 3^\circ 25' 00"$

$R = 1,676.95'$

$T = 393.81'$

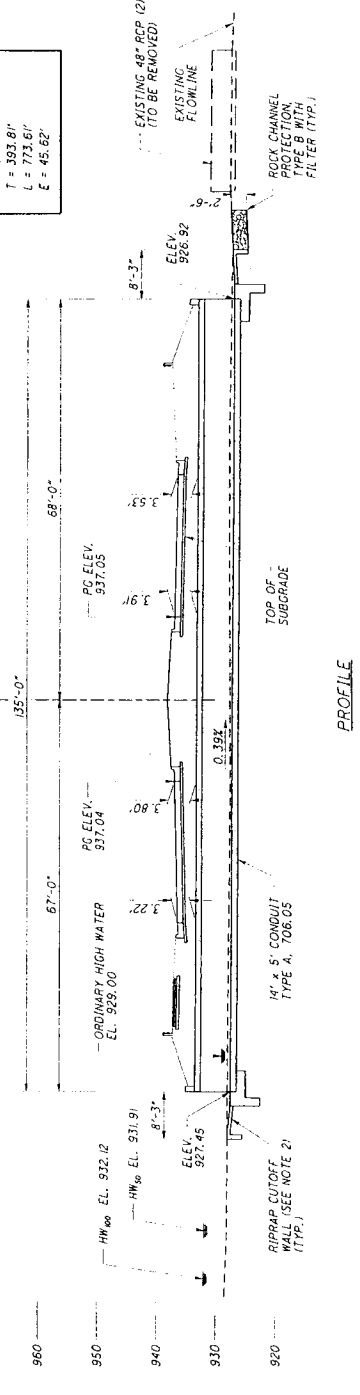
$L = 723.61'$

$E = 45.62'$

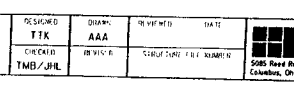


PLAN

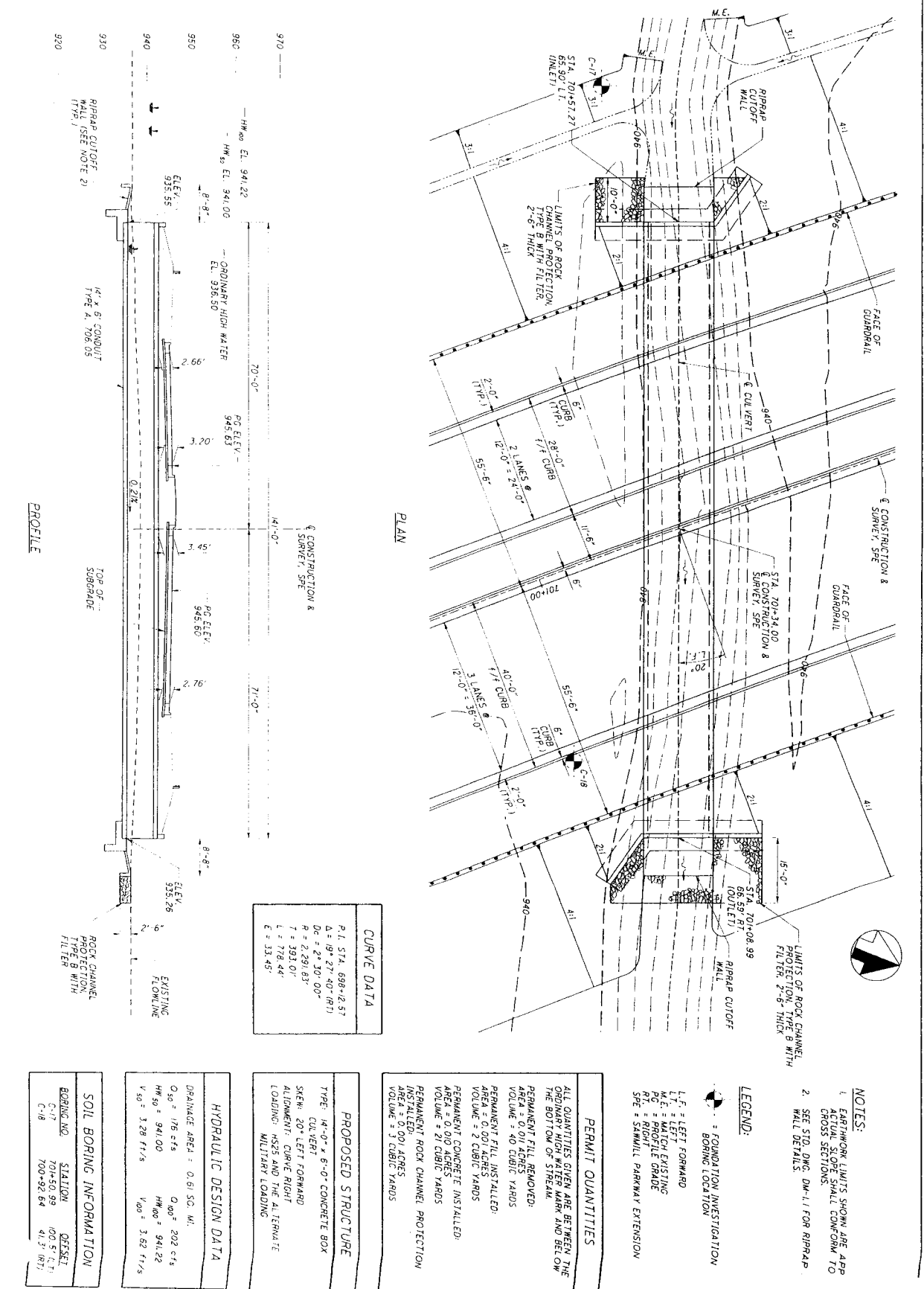
BORING NO.	STATION	DEPTH
C-11	601+53.25	80.0' (LT)
C-12	602+04.96	82.3' (RT)
B-42	601+75.41	30.5' (RT)



PROFILE



**Sawmill Parkway Extension
2005-1435-OLR – UnTrib Olen. River
Delaware County, Ohio
Detailed Plan View – Impact #4
Sheet 14 of 15**



PERMIT QUANTITIES

ALL QUANTITIES GIVEN ARE BETWEEN THE ORDINARY HIGH WATER MARK AND BELOW THE BOTTOM OF STREAM.

PERMANENT FILL REMOVED:
AREA = 0.01 ACRES
VOLUME = 40 CUBIC YARDS

PERMANENT FILL INSTALLED:
AREA = 0.001 ACRES
VOLUME = 2 CUBIC YARDS

PERMANENT CONCRETE INSTALLED:
AREA = 0.001 ACRES
VOLUME = 21 CUBIC YARDS

PERMANENT ROCK CHANNEL PROTECTION:
AREA = 0.001 ACRES
VOLUME = 3 CUBIC YARDS

PROPOSED STRUCTURE

TYPE: 14'-0" x 6'-0" CONCRETE BOX CULVERT

SKEN: 20' LEFT FORWARD

ALIGNMENT: CURVE RIGHT

LOADING: HS25 AND THE ALTERNATE MILITARY LOADING

HYDRAULIC DESIGN DATA

DRAINAGE AREA = 0.61 SQ. MI.

$Q_{50} = 176 \text{ cfs}$ $Q_{100} = 202 \text{ cfs}$

$HM_{50} = 941.00$ $HM_{100} = 941.22$

$V_{50} = 1.28 \text{ ft/s}$ $V_{100} = 1.62 \text{ ft/s}$

SOIL BORING INFORMATION

BORING NO.	STATION	DEPTH
C-17	70+50.99	100.5' (L.T.)
C-18	70+92.84	41.3' (R.T.)

CURVE DATA

P.I. STA. 698+16.57

$\Delta = 19^\circ 27' 40" (R.T.)$

$DC = 2^\circ 10' 00"$

$R = 2,291.83'$

$T = 189.01'$

$L = 778.44'$

$E = 33.45'$

LEGEND:

FOUNDATION INVESTIGATION

BORING LOCATION

L.F. = LEFT FORWARD

M.E. = MATCH EXISTING

PG. = PROFILE GRADE

RT. = RIGHT

SFE = SMALL WALL EXTENSION

NOTES:

1. EARTHWORK LIMITS SHOWN ARE APP. ACTUAL SLOPE SHALL CONFORM TO CROSS SECTIONS.

2. SEE STD. Dwg. DW-11 FOR RIPRAP WALL DETAILS.

CULVERT PLAN AND PROFILE
SAWMILL PARKWAY EXTENSION
STA. 70+34